

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	146	(549/328).CCLS.	USPAT; USOCR	OR	OFF	2007/06/18 09:32
L3	1879	(502/152).CCLS.	USPAT; USOCR	OR	OFF	2007/06/18 09:32

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Robert (Rayson) Shio Examiner #: 79524 Date: 5/15/07
 Art Unit: 1626 Phone Number: 301-0707 Serial Number: 10/523,263
 Mail Box and Bldg/Room Location: REA 5A10 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

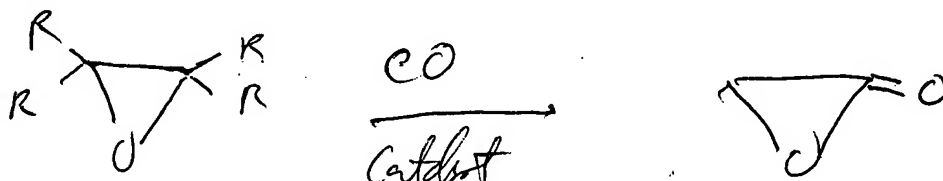
Title of Invention: Catalyst and method for

Inventors (please provide full names): Luisbela et al

Earliest Priority Filing Date: _____

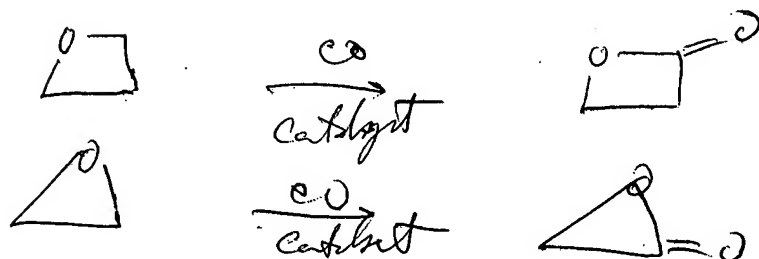
For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

I sub a process of preparation of lactone by
 carbonylation: (see claim 1)



R is sub

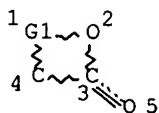
II sub a proc of make lactone by carbonylation



STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____

=> => d que stat 134
L32 STR



REP G1=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L34 4974 SEA FILE=REGISTRY SSS FUL L32

100.0% PROCESSED 734887 ITERATIONS 4974 ANSWERS
SEARCH TIME: 00.00.03

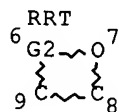
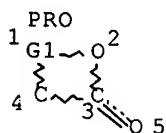
=> d que nos 171

L5	QUE	ABB=ON	PLU=ON	EPOXIDES+PFT, OLD, NEW, NT/CT
L6	QUE	ABB=ON	PLU=ON	LACTONES+PFT, OLD, NEW, NT/CT
L7	QUE	ABB=ON	PLU=ON	CARBONYLATION+PFT, OLD, NEW, NT/CT
L8	QUE	ABB=ON	PLU=ON	"CARBONYLATION CATALYSTS"+PFT, OLD, NE W, NT/CT
L9	QUE	ABB=ON	PLU=ON	?OXIRAN?
L10	QUE	ABB=ON	PLU=ON	OXIRAN?
L11	QUE	ABB=ON	PLU=ON	?EPOXID?
L12	QUE	ABB=ON	PLU=ON	EPOXID?
L13	QUE	ABB=ON	PLU=ON	?EPOXY?
L14	QUE	ABB=ON	PLU=ON	?LACTON?
L15	QUE	ABB=ON	PLU=ON	?LACTONE
L16	QUE	ABB=ON	PLU=ON	LACTON?
L17	QUE	ABB=ON	PLU=ON	?CARBONYLAT?
L18	QUE	ABB=ON	PLU=ON	?CATALY?
L19	QUE	ABB=ON	PLU=ON	COCATALY? OR (CO(W)CATALY?)
L20	QUE	ABB=ON	PLU=ON	CO OR ?COBALT?
L21	QUE	ABB=ON	PLU=ON	AL OR ?ALUMIN?
L22	QUE	ABB=ON	PLU=ON	?MAGNESIUM?
L23	QUE	ABB=ON	PLU=ON	ZN? OR ?ZINC?
L24	QUE	ABB=ON	PLU=ON	LUINSTRA, G?/AU
L25	QUE	ABB=ON	PLU=ON	MOLNAR, F?/AU
L26	QUE	ABB=ON	PLU=ON	RIEGER, B?/AU
L27	QUE	ABB=ON	PLU=ON	ALLMENDINGER, M?/AU
L28	QUE	ABB=ON	PLU=ON	BASF/CS, SO, PA
L30	QUE	ABB=ON	PLU=ON	AY<2004 OR PY<2004 OR PRY<2004 OR MY <2004 OR REVIEW/DT
L32	STR			
L34	4974	SEA	FILE=REGISTRY SSS FUL L32	
L36	8956	SEA	FILE=HCAPLUS ABB=ON PLU=ON L34	
L37	2475	SEA	FILE=HCAPLUS ABB=ON PLU=ON L36(L) (PREP+NT)/RL	

L38	20725	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L6 (L) (PREP+NT)/RL
L39	618	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L37 OR L38) AND L5
L40	120	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L37 OR L38) AND L7
L41	99	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L37 OR L38) AND L8
L42	749	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L7 OR L8) (L) L20
L43	108	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L7 OR L8) (L) (L21 OR L22 OR L23)
L44	9	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L42 AND L43
L45	97796	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L20(10A) (L18 OR L19)
L46	181695	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L21 OR L22 OR L23) (10A) (L18 OR L19)
L47	25380	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L45 AND L46
L48	14	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L39 OR L40 OR L41) AND (L44 OR L47)
L49	310	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L17 (L) ((L9 OR L10 OR L11 OR L12 OR L13))
L50	34	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L37 OR L38) AND L49
L51	10	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L50 AND (L44 OR L47)
L53	609	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L17 (L) (L14 OR L15 OR L16)
L54	63	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L49 AND L53
L55	30	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L54 AND L8
L56	13	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L54 OR L55) AND (L44 OR L47)
L57	87	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L7 (L) (L14 OR L15 OR L16)
L58	48	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L7 (L) (L9 OR L10 OR L11 OR L12 OR L13)
L59	14	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L57 AND L58
L60	148	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L37 OR L38) (L) L17
L61	9	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L41 OR L60) AND (L24 OR L25 OR L26 OR L27 OR L28)
L62	170	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L41 OR L60) NOT L61
L63	138	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L62 AND L30
L64	117	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L63 AND (L8 OR (L18 OR L19))
L65	28732	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L5 (L) (RACT+NT)/RL
L66	16	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L64 AND L65
L67	15	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L64 AND (L9 OR L10 OR L11 OR L12 OR L13)
L68	40	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L48 OR L51 OR L56 OR L59 OR (L66 OR L67))
L69	33	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L68 NOT L61
L70	25	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L69 AND L30
L71	25	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L70 AND (L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23)

=> d que stat 176

L74 STR



REP G1=(0-1) C
 REP G2=(0-1) C
 NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 3 6

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L76 159 SEA FILE=CASREACT SSS FUL L74 (989 REACTIONS)

100.0% DONE 768912 VERIFIED 989 HIT RXNS

159 DOCS

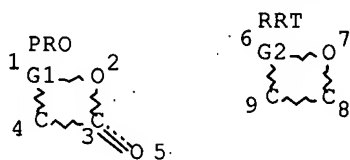
SEARCH TIME: 00.00.38

=> d que nos 188

L24 QUE ABB=ON PLU=ON LUINSTRA, G?/AU
 L25 QUE ABB=ON PLU=ON MOLNAR, F?/AU
 L26 QUE ABB=ON PLU=ON RIEGER, B?/AU
 L27 QUE ABB=ON PLU=ON ALLMENDINGER, M?/AU
 L31 QUE ABB=ON PLU=ON AY<2004 OR PY<2004 OR PRY<2004
 L32 STR
 L34 4974 SEA FILE=REGISTRY SSS FUL L32
 L74 STR
 L76 159 SEA FILE=CASREACT SSS FUL L74 (989 REACTIONS)
 L77 2 SEA FILE=CASREACT ABB=ON PLU=ON L76 AND (L24 OR L25 OR L26
 OR L27)
 L78 157 SEA FILE=CASREACT ABB=ON PLU=ON L76 NOT L77
 L79 122 SEA FILE=CASREACT ABB=ON PLU=ON L78 AND (L31 OR REVIEW/DT)
 L80 10 SEA FILE=CASREACT ABB=ON PLU=ON L79 AND (?CARBONYLAT?/AB,BI)
 L81 48 SEA FILE=CASREACT ABB=ON PLU=ON L79 AND ((?CATALY?/AB,BI) OR
 (COCATALY?/AB,BI OR (CO/AB,BI(W)CATALY?/AB,BI)))
 L85 1227 SEA FILE=CASREACT ABB=ON PLU=ON L34/RRT
 L86 11 SEA FILE=CASREACT ABB=ON PLU=ON L79 NOT L85
 L87 12 SEA FILE=CASREACT ABB=ON PLU=ON (L80 OR L86) AND L81
 L88 12 SEA FILE=CASREACT ABB=ON PLU=ON L87 AND L79

=> d que stat 195

L74 STR



REP G1=(0-1) C

REP G2=(0-1) C

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 3 6

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L93 799 SEA FILE=CHEMINFORMRX ABB=ON PLU=ON (?CARBONYLAT?/BI,AB)
 L95 7 SEA FILE=CHEMINFORMRX SUB=L93 SSS FUL L74 (53 REACTIONS)

100.0% DONE 99 VERIFIED 53 HIT RXNS 7 DOCS
 SEARCH TIME: 00.00.03

=> d que nos 197

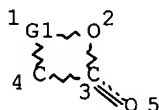
L30 QUE ABB=ON PLU=ON AY<2004 OR PY<2004 OR PRY<2004 OR MY
 <2004 OR REVIEW/DT

L74 STR

L93 799 SEA FILE=CHEMINFORMRX ABB=ON PLU=ON (?CARBONYLAT?/BI,AB)
 L95 7 SEA FILE=CHEMINFORMRX SUB=L93 SSS FUL L74 (53 REACTIONS)
 L97 4 SEA FILE=CHEMINFORMRX ABB=ON PLU=ON L95 AND L30

=> d que stat 1100

L32 STR



REP G1=(0-1) C

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 3

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L100 115 SEA FILE=WPIX SSS FUL L32

100.0% PROCESSED 26213 ITERATIONS

115 ANSWERS

SEARCH TIME: 00.00.12

=> d his 1100-1105

(FILE 'WPIX' ENTERED AT 12:05:29 ON 17 MAY 2007)

L100 115 S L32 FUL

SAVE TEMP L100 SHI263WPIS/A

SELECT L100 1- SDCN

L101 411 S E124-E238/DCN

L102 592 S L100/DCR

L103 54 S L101-L102 (P)M720/M0,M1,M2,M3,M4,M5,M6

L104 1 S L2 NOT L102

FILE 'ZCAPLUS' ENTERED AT 12:09:34 ON 17 MAY 2007

L105 QUE (C07D0305-00 OR C07D0303-00)/IPC

=> d que nos 1135